

Notice of Allowability	Application No.	Applicant(s)	
	09/911,585	REGINA SCHMITT	
	Examiner	Art Unit	
	CUONG T THAI	2173	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Nov/02/04 Examiner's Amend and Jul/14/04 Amendment.
2. ☒ The allowed claim(s) is/are 18-38 (renumbered as 1-21).
3. ☒ The drawings filed on 7/24/04 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
|---|---|

RAYMOND J. BAYERL
PRIMARY EXAMINER
ART UNIT 2173

DETAILED ACTION

1. This action is responsive to Amendment filed on July/14/2004 and Examiner's Amendment telephoned on November/02/2004.
2. The Amendment filed on Sept/15/2004 is improper because it does not correspond with the prior Amendment received on July/14/2004. Therefore, the Amendment filed on Sept/15/2004 has not been entered into the application. In addition, during the telephone conversation between the Examiner and Mr. Scott T. Weingaertner on Oct/12/2004, Applicants requested that the Examiner only consider the Amendment filed on July/14/2004 and not consider the Amendment filed on Sept/15/2004.
3. Claims 18-38 are presented for examination.

Examiner's Amendment

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. John P. Musone on November/02/2004.

In the claims:

Claims 18 and 38, insert "at least one programming language command selected from the group consisting of loop and parallel branch programming language commands is provided in motion control flowchart notation and wherein

a parallel branch is provided and individual commands are initiated in a given interpolator cycle within respective parallel branches.” after “structured text subprogram” and “editor with corresponding icons”, respectively.

Claim 18, lines 8-10, delete “and providing the corresponding graphical elements as an expanded library of the graphical elements of the graphical editor” after “structured text subprogram”.

Allowable Subject Matter

5. Claims 18 and 37-38 are allowed over the prior arts of records. Claims 19-36 are further limits of independent claim 18.

The following is an examiner’s statement of reasons for allowance:

Examiner has carefully considered claims 18 and 37-38 of the presented application. Claims 37-38 have been allowed for the same reasons applied to claim 18. None of the cited art including Schwenke et al. (USPN: 6,553,268), Stine (USPN: 6,466,827), Weinhofer (USPN: 6,442,442), Zhang et al. (USPN: 6,282,699), Wilson et al. (USPN: 6,289,252), Stripf et al. (USPN: 6,263,487), DeBenedictis et al. (USPN: 6,144,984), nor Lavalley et al. (USPN: 4,852,047) discloses nor suggests a method for programming motion controller comprising programming language command selected from the group consisting of loop and parallel branch, wherein individual commands are initiated in a given interpolator cycle within respective parallel branches. Specially, Fail et al. (USPN: 3,668,653) and Quarton (USPN: 4,074,281) are cited for

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interpolator cycle control. None of them, however, discloses the interpolator cycle within respective parallel branches of motion controller.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to CUONG T THAI whose telephone number is (571) 272-4056.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John W. Cabeca can be reached at (571) 272-4048. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


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Examiner
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November 05, 2004.



**RAYMOND J. BAYERL
PRIMARY EXAMINER
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